

A Modified Verhoeff Elastic-Van Gieson Stain

Catalog #26369

Consistent and shorter staining time!

Fixation

10% Buffered Neutral Formalin

Sections

4-5 microns

Staining

1. Deparaffinize and hydrate sections.
2. Stain in modified Verhoeff at room temperature for 7 minutes or in a 60 °C oven for 3 1/2 minutes.

To prepare modified Verhoeff Working Elastic solution, mix just before use:

- 3 parts Alcoholic Hematoxylin, 3%
 - 2 parts Ferric Chloride 2%, aqueous
 - 1 part Lugol's Iodine
3. Wash in running warm tap water for 1 minute.
 4. Differentiate in Ferric Chloride, 0.4% aq. for 75 seconds.
 5. Wash in running warm tap water for 5 minutes.
 6. Counterstain in Van Geisons solution for 60 seconds.
 7. Dehydrate, clear and mount with Permount.

Results

Nuclei	Greyish-black
Elastic Fibers	Bluish-black
Collagen fibers	Red
Muscle	Greenish yellow

References

Garvey, Winsome et al "A modified Verhoff Elastic Van Geison Stain" The Journal of Histotechnology, Vol. 14, No. 2 pp113-114 June 1991.